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## (54) CORD FOR REINFORCING POWER TRANSMISSION BELT AND ITS PRODUCTION

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide a cord for reinforcing power transmission belt that can prevent the reinforcing fibers exposed at the belt edge face from being loosened into individual single filaments, when the belt is formed, and has the increased adhesion to the matrix rubber with high strength and good fatigue resistance and provide an efficient production process therefor.

SOLUTION: This cord is constituted with (a) a reinforcing fiber yarn and (b) a sheath-core conjugated yarn in which the core component comprises a thermoplastic polymer melting at  $\geq 230^{\circ}\text{C}$  and the sheath component comprises a thermoplastic resin melting at  $120\text{--}220^{\circ}\text{C}$ , and this cord is impregnated with an adhesive. In this case, the individual yarns constituting the cord with the thermoplastic polymer melting at  $120\text{--}220^{\circ}\text{C}$  as the sheath component in the conjugated fiber yarn are at least partially fused between single filaments in the individual yarns.

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